

PERFECT FINISH – PAINTED BY THE SPECIALIST.



Fanuc Robot M-10iA/10S

Short arm version – Payload up to 10 kg, reach 1098 mm



The M-10iA/10S is FANUC Robotics' latest-generation, six-axis, high performance industrial robot. This small but mighty robot only weighs 130 kg but provides 10 kg payload with the highest wrist moments and inertia in its class. Dress-out and routing of cables and airlines have been greatly simplified with a 50-mm hollow wrist and upper arm, helping to reduce system cost and improving reliability. The M-10iA/10S can be floor or wall mounted at any angle, or ceiling mounted. J3 can also flip over allowing the robot to work behind itself creating a very large work envelope. Along with FANUC's integrated vision package in the controller called iRVision™, the M-10iA/10S comes vision ready with a 2D vision cable integrated through the robot arm as a standard option.

The robot M-10iA/10S has the highest axis speeds and the best repeatability in its class, making for an extremely fast and highly repeatable robot. The M-10iA/10S is setting

the industry standard for small robots and is the perfect solution for your application.

M-10iA Series, the solution for:

- Painting and dispensing
- Material handling
- Material removal
- Assembly
- Picking and packing

Features and benefits:

- 6 degrees of freedom
- ± 0.05 mm repeatability
- 10 kg payload at wrist
- Large wrist moments and inertia for real-world I/O's and workpieces
- Supplementary payload mount on J3 casting
- 2D vision cables from J1 to J3 as a standard option
- Compact size, slim wrist, and small footprint permit operation in tight work spaces
- Robot can be floor, angle, wall or ceiling mounted
- High joint speeds maximize throughput
- Absolute encoder positioning eliminates homing at power-up
- Intelligent colourgraphic teach pendant is network ready
- Built-in solution arm, 50mm hollow wrist and upper arm

Reliability

- RV reducer, gear and harmonic drivetrains provide rigidity and performance in a compact package
- Sealed bearings and brushless, maintenance-free AC motors provide protection and improve reliability

Robot and Controller Options

- iRVision for guidance and inspection
- Up to 40 axes (robot + auxiliary) on same controller
- Extended communications capabilities: FTP, ProNet, FANUC Model A I/O rack, etc.
- Linear or circular conveyor tracking
- Many unique robot and application-driven software options available

Fanuc Robot Manuals Ethernet

Zhe Xu



Fanuc Robot Manuals Ethernet:

Industrial Robotics Harry Colestock, 2005 This detailed reference shows how to achieve maximum productivity with robotics classifies robots according to their complexity and function and explains how to avoid common automation mistakes

Manufacturing Technologies for Machines of the Future Anatoliĭ Iosifovich Dashchenko, 2003 This work provides a visionary survey on modern and future technologies and management methods in engineering design and manufacturing

Robotic Safety Systems Justin Starr, Christopher Quick, 2024-11-14 This book reboots the conversation about all technologies relating to robot safety It covers key features of industry standards relevant government regulations hardware devices physical safeguards and vendor specific software implementations including FANUC's Dual Check Safety ABB's SafeMove and more Robotic Safety Systems An Applied Approach discusses some of the unique concerns associated with remote I/O and systems designed to be controlled over wide area networks including the internet It includes annotated example safety configurations and programs that can be customized and loaded and deployed on existing robots giving the reader tools to immediately apply the lessons learned in this text The text also provides best practices for using cutting edge systems such as cobots and mobile robotic arms with some autonomy systems that have advanced faster than the regulatory frameworks Included are real world examples from FANUC ABB Universal Robots and Kuka the most popular brands on the market Finally as an appendix to this text a case study demonstrating proper use of A3 RIA standards is included This will allow readers to make an informed decision prior to purchasing these expensive references This book is intended for post secondary classes at universities with specializations in robotics or robotic engineering It will also be useful for robot systems integrators design engineers consultants integration experts robot programmers **Welding Journal**, 2007 Japanese

Technical Abstracts, 1986 *Predictive Technology Update*, 1991 Chilton's I & C S, 1991-07 *Steigerung der Prozessfähigkeit gewandelter Montagezellen durch Selbstreferenz* Alexander Schönberg, 2018-02-21 Wandlungsfähige Montagesysteme sollen auf Marktänderungen reagieren die über den Flexibilitätsumfang hinausgehen Roboterbasierte Montagezellen profitieren beim Wandeln von automatisierten Prozessen zur Sicherstellung der Prozessfähigkeit Die Selbstreferenz als Lernungsansatz ermöglicht durch Kommunikation Wahrnehmung und Kompensation die direkte Ausführung eines idealisiert gewandelten Prozesses Die Abweichungen werden selbstständig reduziert und die Prozessfähigkeit automatisiert gesteigert **Machinery and Production Engineering**, 2001 *Thomas Register*, 2004 International Conference on Intelligent Manufacturing Ji Zhou, 1995 Materials Handling News, 1993 *Thomas Register of American Manufacturers*, 2003 Vols for 1970-71 includes manufacturers catalogs **Applied Science & Technology Index**, 1996

Automation in Mining, Mineral, and Metal Processing 1989 V. Köppel, 1990 Hardbound Changing market conditions leading to increased competitiveness higher quality control reduced costs and greater capacity mean that the development and automation in mining and in mineral and metal processing is facing challenging times The Symposium reflects the

growing need amongst mining and related industries to improve and develop their automated systems to tackle those new challenges The papers provide essential information covering areas such as mining electric furnaces steel blast furnaces rolling and computer applications **Predicasts F & S Index United States** Predicasts, inc,1987 A comprehensive index to company and industry information in business journals **FANUC Robotics System R-30iB Controller IRVision 2D Student Manual** FANUC America Corporation,2013 Ethernet Communications Controller Programmer's Reference Manual Intel Corporation,1981 Fanuc Level 1, Introduction to Fanuc Robots Andrew Valentine,Amy Valentine,2016-03

This course is designed to ensure students with little or no experience with the Fanuc robot learn to safely work in automated environments with industrial robots Students will learn to recover from common faults use coordinate systems for efficient jogging and to properly cycle programs in step and continuous modes to efficiently touch up positions in existing programs In depth hands on exercises will be used to teach students the skills necessary for safe basic robot operation correct mode selection teach pendant navigation and recovery **Fanuc robotics** FANUC Robotics,

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